

# Comparisons of Job Characteristics

**Focus Occupation:** Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)

**Associated Occupation:** Structural Metal Fabricators and Fitters (51-2041)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 78

**Focus Occupation:** Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)

**Associated Occupation:** Structural Metal Fabricators and Fitters (51-2041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Design	5.2	10.3	8.3	< Expanded education and/or training may be required
Mechanical	6.8	8.6	13.9	>> Current knowledge level is likely more than sufficient
Building and Construction	4.0	6.9	5.4	< Expanded education and/or training may be required
Production and Processing	6.0	6.9	5.8	< Expanded education and/or training may be required
Engineering and Technology	5.7	6.2	4.3	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 58

**Focus Occupation:** Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)

**Associated Occupation:** Structural Metal Fabricators and Fitters (51-2041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	5.9	8.4	>> Skill level is likely more than sufficient
Installation	1.7	2.0	8.1	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 85

**Focus Occupation: Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)**  
**Associated Occupation: Structural Metal Fabricators and Fitters (51-2041)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Visualization	7.5	10.1	12.0	>	Current ability level is likely sufficient
Trunk Strength	5.7	9.5	9.1	0	Current ability level may be sufficient
Manual Dexterity	6.5	9.2	10.8	>	Current ability level is likely sufficient
Static Strength	5.0	8.3	7.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

**Similarity of Focus Occupation to Associated Occupation: 92**

**Focus Occupation: Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)**  
**Associated Occupation: Structural Metal Fabricators and Fitters (51-2041)**

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Align or adjust clearances of mechanical components or parts	72
Build or repair structures in construction, repair, or manufacturing setting	54
Examine products or work to verify conformance to specifications	15
Fabricate, assemble, or disassemble manufactured products by hand	11
File, sand, grind, or polish metal or plastic objects	82
Identify base metals for welding	68
Identify properties of metals for repair or fabrication activities	71
Lay out machining, welding or precision assembly projects	63
Make independent judgment in assembly procedures	64
Move or fit heavy objects	8
Perform safety inspections in industrial, manufacturing or repair setting	32
Position, align, or level machines, equipment, or structures	74
Read blueprints	10
Read specifications	23
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Set up and operate variety of machine tools	62
Stretch, bend, straighten, shape, pound, or press metal or plastic	84
Understand technical operating, service or repair manuals	6
Use acetylene welding/cutting torch	54
Use hand or power tools	2
Use machine tools in installation, maintenance, or repair	72
Use precision measuring tools or equipment	17
Use spot or tack welding techniques	87
Weld together metal parts, components, or structures	54

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 82

**Focus Occupation: Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)**  
**Associated Occupation: Structural Metal Fabricators and Fitters (51-2041)**

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Drafting supplies	9
Fastener setting tools	12
Forming tools	2
Holding and clamping tools	3
Holding and positioning and guiding systems and devices	23
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Machinery for working wood and stone and ceramic and the like	12
Marking tools	11
Metal bending and forming machinery	17
Power tools	2
Rough and finishing tools	5
Soldering and brazing and welding machinery and supplies	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.